



SITE DATA TABLE	
DEVELOPMENT NAME:	HOPE BAPTIST CHURCH
STREET ADDRESS:	825 AVERETTE RD
PIN NUMBER:	1860-00-5632
DEED BOOK AND PAGE NO.:	DB 16568, PG 1017
TOTAL AREA:	9.68 AC
EXISTING USE:	CHURCH
PROPOSED USE:	CHURCH
JURISDICTION:	TOWN OF ROLESVILLE
ZONING DISTRICT:	RL
PROPOSED DISTURBED AREA:	0.27 AC
WATERSHED(S):	SMITH CREEK & LITTLE RIVER WATER SUPPLY WATERSHED RIVER BASIN: NEUSE
EXISTING IMPERVIOUS AREA:	49.915 SF, 1.15 AC (11.8%)
PROPOSED IMPERVIOUS AREA:	49.915 SF, 1.15 AC (11.8%)

PREVIOUS ENTITLEMENTS

ANNEXATION (ANX-26-0001) 08/18/2026

PARCEL OWNER LIST

PIN	OWNER	AREA
1860-00-5632	HOPE BAPTIST CHURCH	9.68 AC

ADJACENT PARCEL LIST

PIN OR BM/PG	OWNER
1860-10-1815	JAMES & KIMBERLY HAGENBUSH
1860-00-6858	JAMES MANGUM
BM 2023, PG 2188	PRESTLEIGH SUBDIVISION, PH 1 (LOTS 97 - 114)
1860-00-8339	PRESERVE AT JONES DAIRY, LLC

North Carolina 811
www.nc811.org

NORTH CAROLINA
ONE-CALL CENTER
1-800-632-4949

CONSTRUCTION INFRASTRUCTURE DRAWINGS FOR

HOPE BAPTIST CHURCH UTILITY CONNECTIONS

CID-26-0010

825 AVERETTE RD
WAKE FOREST, NC 27587
PIN: 1860-00-5632

SHEET	TITLE
C-1	COVER
C-2	EXISTING CONDITIONS PLAN
C-3	UTILITY PLAN
C-4	SEWER EXTENSION & SERVICE LINE PLAN & PROFILE
C-5	DETAILS

RALEIGH WATER INSPECTIONS QUANTITIES (SUBDIVISIONS AND SITE PLANS)	
PHASE NUMBER(S)	N/A
NUMBER OF LOTS	1
NUMBER OF UNITS	1 BUILDING
PUBLIC WATER (LF)	N/A
PRIVATE WATER (LF)	N/A
PUBLIC SEWER (LF)	98 LF OF SDR26 PVC
PUBLIC FORCE MAIN (LF)	N/A
PRIVATE SEWER* (LF)	N/A
WATER SERVICE STUBS (QUANTITY)	1
SEWER SERVICE (QUANTITY)	1
AVERAGE DAILY FLOW PER PHASE**	600 GPD (5 GAL/SEAT @ 200 SEATS)

*SEWER MAINS AND MANHOLES AS PART OF A COLLECTION SYSTEM
 **ENTIRE PROJECT FLOW, BASED ON 75GPM PER BEDROOM FOR RESIDENTIAL (APARTMENTS, SINGLE FAMILY DWELLING, TOWNHOUSE, CONDOS), OR BASED ON 15A NCAC 02T .0114 WASTEWATER DESIGN FLOW RATES FOR COMMERCIAL AND INDUSTRIAL.
 THE METER SIZE MUST MATCH DOMESTIC SERVICE SIZE (EXEMPTION - 3/4" SERVICE TAP WITH 1/2" METER)

ATTENTION CONTRACTORS

THE **CONSTRUCTION CONTRACTOR** RESPONSIBLE FOR THE EXTENSION OF WATER, SEWER, AND/OR REUSE, AS APPROVED IN THESE PLANS, IS RESPONSIBLE FOR **CONTACTING THE PUBLIC WORKS DEPARTMENT** AT (919) 996-2409 AND THE **PUBLIC UTILITIES DEPARTMENT** AT (919) 996-4540 AT LEAST **TWENTY FOUR HOURS** PRIOR TO BEGINNING ANY OF THEIR CONSTRUCTION.

FAILURE TO NOTIFY BOTH CITY DEPARTMENTS IN ADVANCE OF BEGINNING CONSTRUCTION WILL RESULT IN THE ISSUANCE OF MONETARY FINES AND REQUIRE REINSTALLATION OF ANY WATER OR SEWER FACILITIES NOT INSPECTED AS A RESULT OF THIS NOTIFICATION FAILURE.

FAILURE TO CALL FOR INSPECTION, INSTALL A DOWNSTREAM PLUG, HAVE PERMITTED PLANS ON THE JOBSITE, OR ANY OTHER VIOLATION OF CITY OF RALEIGH STANDARDS WILL RESULT IN A FINE AND POSSIBLE EXCLUSION FROM FUTURE WORK IN THE CITY OF RALEIGH.

FAILURE TO CALL FOR INSPECTION, INSTALL A DOWNSTREAM PLUG, HAVE PERMITTED PLANS ON THE JOBSITE, OR ANY OTHER VIOLATION OF CITY OF RALEIGH STANDARDS WILL RESULT IN A FINE AND POSSIBLE EXCLUSION FROM FUTURE WORK IN THE CITY OF RALEIGH.

PUBLIC
SEWER COLLECTION / EXTENSION SYSTEM

THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC SEWER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.

CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT # _____

AUTHORIZATION TO CONSTRUCT SEE DIGITAL SIGNATURE



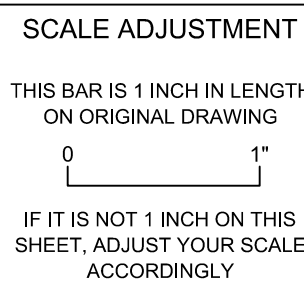
POST OFFICE BOX 91727
RALEIGH, NORTH CAROLINA 27675
PHONE: 919.610.1051
FIRM NC LICENSE NUMBER C-4222



REVISION HISTORY

[illegible]

ORIGINAL PLAN SIZE: 24" X 36'



CONSTRUCTION
INFRASTRUCTURE DRAWINGS
CID-26-0010

HOPE BAPTIST CHURCH
UTILITY CONNECTIONS
825 AVERETTE RD
WAKE FOREST, NC 27587

HOPE BAPTIST CHURCH

DATE:	08-20-2026
SCALE:	AS SHOWN
DESIGNED BY:	FLM
APPROVED BY:	FLM
PROJECT NO.:	25048

COVER

C-1

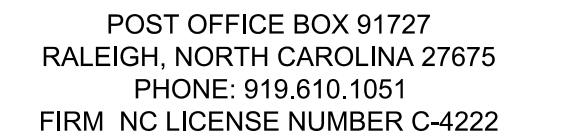
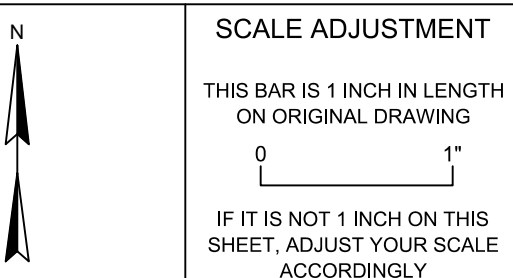
SHEET 1 OF 5

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

ELECTRONIC APPROVAL: THIS APPROVAL IS BEING ISSUED ELECTRONICALLY. THIS APPROVAL IS VALID ONLY UPON THE SIGNATURE OF A CITY OF RALEIGH REVIEW OFFICER BELOW. THE CITY WILL RETAIN A COPY OF THE APPROVED PLANS. ANY WORK AUTHORIZED BY THIS APPROVAL MUST PROCEED IN ACCORDANCE WITH THE PLANS KEPT ON FILE WITH THE CITY. THIS ELECTRONIC APPROVAL MAY NOT BE EDITED ONCE ISSUED. ANY MODIFICATION TO THIS APPROVAL ONCE ISSUED WILL INVALIDATE THIS APPROVAL.

CITY OF RALEIGH DEVELOPMENT APPROVAL _____ RALEIGH WATER REVIEW OFFICER _____

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH AND WAKE COUNTY STANDARDS AND SPECIFICATIONS

[illegible]

HOPE BAPTIST CHURCH
UTILITY CONNECTIONS
825 AVERETTE RD
WAKE FOREST, NC 27587

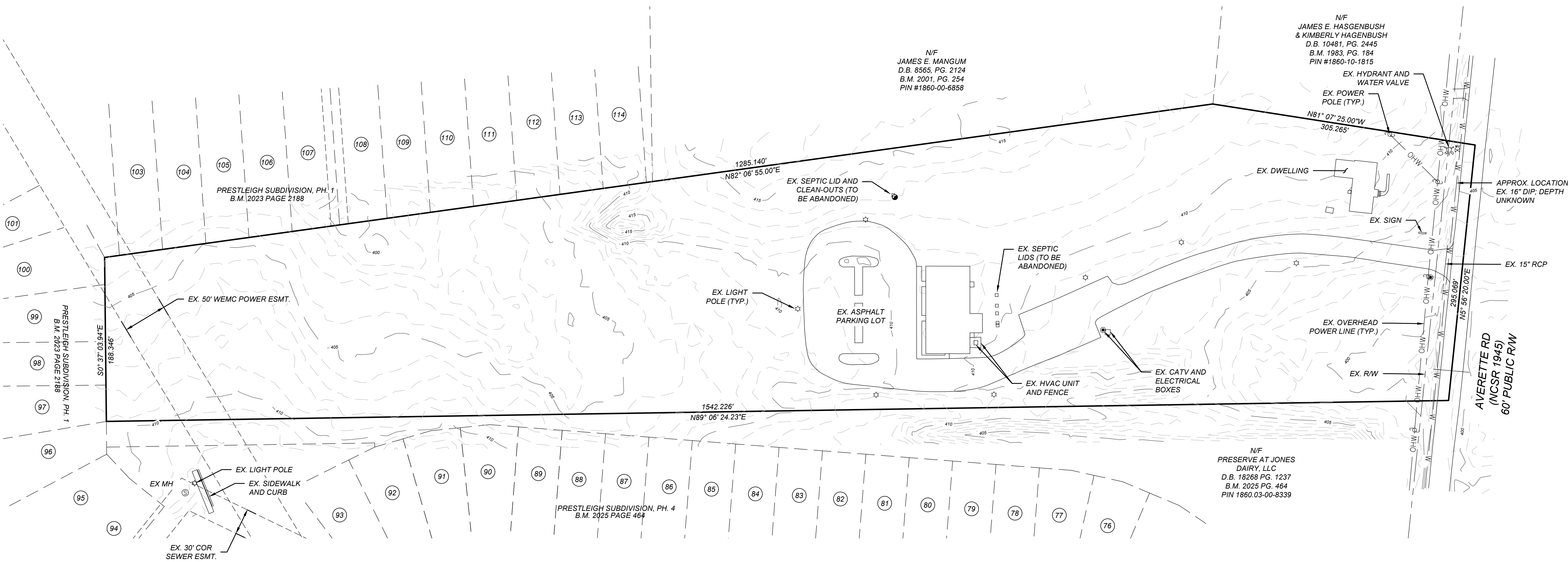
DATE:	08-20-2026
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C-2

SHEET 2 OF 5

EX. PROPERTY LINE
 EX. ADJACENT OWNERS
 EX. EASEMENT
 EX. MAJOR CONTOUR (5')
 EX. MINOR CONTOUR (1')
 EX. OVERHEAD ELECTRIC LINE
 EX. WATER LINE

1. BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY CMP PROFESSIONAL LAND SURVEYORS, PC.
2. THE UTILITIES SHOWN ARE NOT GUARANTEED TO BE A REPRESENTATION OF ALL UTILITIES WITHIN THE PROJECT EXTENT.
3. THE CONTRACTOR SHALL CALL THE NORTH CAROLINA ONE-CALL-CENTER AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
4. THE CONTRACTOR SHALL VERIFY DEPTHS AND LOCATIONS OF ALL UTILITIES PRIOR TO BEGINNING WORK AND SHALL USE CARE WHEN OPERATING AROUND EXISTING UTILITIES.
5. THE CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR THE REPAIR OF ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.



CALL 48 HOURS BEFORE
YOU DIG

North Carolina 811
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ALL CONSTRUCTION SHALL BE IN
ACCORDANCE WITH ALL TOWN OF
ROLESVILLE, CITY OF RALEIGH AND WAKE
COUNTY STANDARDS AND SPECIFICATIONS

ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION)

2. UTILITY SEPARATION REQUIREMENTS:

A) A DISTANCE OF 10' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.

B) WHEN INSTALLING WATER &/or SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE MINIMUM ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.

C) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER OR UNDER A WATER MAIN, THE MINIMUM SEPARATION ENCLOSURE EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.

D) 5/8" MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER.

E) MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W-41 & S-49).

F) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.

3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/or PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION.

4. DEVELOPER SHALL PROVIDE 30 DAYS ADVANCE WRITTEN NOTICE TO OWNER FOR ANY WORK REQUIRED WITHIN AN EXISTING CITY OF RALEIGH UTILITY EASEMENT TRAVERSING PRIVATE PROPERTY.

5. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24-HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.

6. SEWER BYPASS PUMPING - A BYPASS PLAN SEALED BY AN INC PROFESSIONAL ENGINEER SHALL BE PROVIDED TO RALEIGH WATER PRIOR TO PUMPING OPERATIONS FOR APPROVAL. THE OPERATIONS AND EQUIPMENT SHALL COMPLY WITH THE PUBLIC UTILITIES HANDBOOK.

7. 3/4" MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCE MAINS. 40" MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.

8. IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.

9. INSTALL WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROTECT AND MAINTAIN THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE.

10. INSPECTIONS OF 4' AND LARGER SIZE MAINS OF THE PRIVATE DISTRIBUTION SYSTEM WILL BE INSPECTED AS PART OF THE INFRASTRUCTURE PERMIT.

11. PRIVATE SEWER MAINS AS PART OF A COLLECTION SYSTEM ARE PERMITTED AND INSPECTED UNDER THE PRIVATE DRAINAGE/SEWER PERMIT FOR SEWER SERVICE.

12. ANY WATER OR SEWER SERVICES ON PRIVATE PROPERTY THAT WILL BE INSTALLED UNDER A CONSTRUCTION DRAINAGE/SEWER PERMIT OR UTILITY PERMIT IN THE CITY OF RALEIGH, CONSULT WITH THE ENGINEERING INSPECTION COORDINATOR DURING THE PRE-CONSTRUCTION MEETING ON THE NECESSARY PERMITS.

13. INSTALL SEWER SERVICES WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED PER THE CURRENT NC PLUMBING CODE.

14. PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKFLOW VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BACKFLOW DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE.

15. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDDC, USEPA, AOR FERA FOR ANY REPAIRS TO EXISTING MAINS AND/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.

16. NCDDT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.

17. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE RW FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A UO AND RAINFALL PERMIT. CONTACT (919) 986-4516 OR FOG@RALEIGHNC.GOV FOR MORE INFORMATION.

18. CROSS CONNECTION PROTECTION DEVICES ARE REQUIRED BASED ON THE DEGREE OF HEALTH HAZARD AS LISTED IN APPENDIX B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA.

19. THE DEVICES SHALL MEET THE AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS AND BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST.

20. THE DEVICE AND INSTALLATION SHALL MEET THE GUIDELINES OF APPENDIX A - GUIDELINES AND REQUIREMENTS FOR THE CROSS CONNECTION PROGRAM IN RALEIGH'S SERVICE AREA.

21. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS OR THE LOCAL CROSS CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT CROSS CONNECTION@RALEIGHNC.GOV FOR MORE INFORMATION.

22. NOTICE FOR PROJECTS THAT INVOLVE AN OVERSIZED MAIN OR URBAN MAIN REPLACEMENT. ANY CITY REIMBURSEMENT GREATER THAN \$250,000.00 MUST UNDERGO THE PUBLIC BIDDING PROCESS.

23. PRIVATE SUB-METERING - NO RESALE OF WATER SHALL OCCUR WITHOUT THE APPROVAL OF THE CITY OF RALEIGH. IN A UTILITY MAIN NORTH SHARED WITH AN ADJACENT WITHIN SECTION 1400 OF THE "SAFE DRINKING WATER ACT".

1. ALL WATER AND SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.
2. RALEIGH WATER STAFF MAY NEED TO BE ONSITE WHILE ANY CONSTRUCTION OCCURS IN THE VICINITY OF THE CRITICAL WATER TRANSMISSION MAIN. PLEASE EMAIL WDSERVICEREQUESTDL@RALEIGHNC.GOV AT A MINIMUM 72 HOURS IN ADVANCE TO ANY WORK IN THE VICINITY OF THIS CRITICAL WATER TRANSMISSION MAIN.
3. THE CONTRACTOR SHALL CALL THE NORTH CAROLINA ONE-CALL-CENTER AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
4. THE CONTRACTOR SHALL FIELD VERIFY DEPTHS AND LOCATIONS OF ALL UTILITIES PRIOR TO BEGINNING WORK AND SHALL USE CARE WHEN OPERATING AROUND EXISTING UTILITIES.
5. THE UTILITIES SHOWN ARE NOT GUARANTEED TO BE A REPRESENTATION OF ALL UTILITIES WITHIN THE PROJECT EXTENT. UNDERGROUND UTILITY LOCATIONS, IF SHOWN ON THE PLANS, ARE BASED UPON THE BEST AVAILABLE INFORMATION AND SHOULD BE CONSIDERED ONLY AS APPROXIMATE. WHERE CONFLICTS OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
6. THE CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR THE REPAIR OF ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
7. THIS PLAN IS NOT INTENDED AS A SUBSTITUTE FOR THE PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATION, AND JUDGEMENT OF THE CONTRACTOR.
8. OWNER AND OWNER'S CONTRACTOR SHALL COORDINATE WITH ALL FRANCHISE UTILITIES REGARDING THE RELOCATION OF EXISTING AND PROPOSED UTILITIES AS REQUIRED.

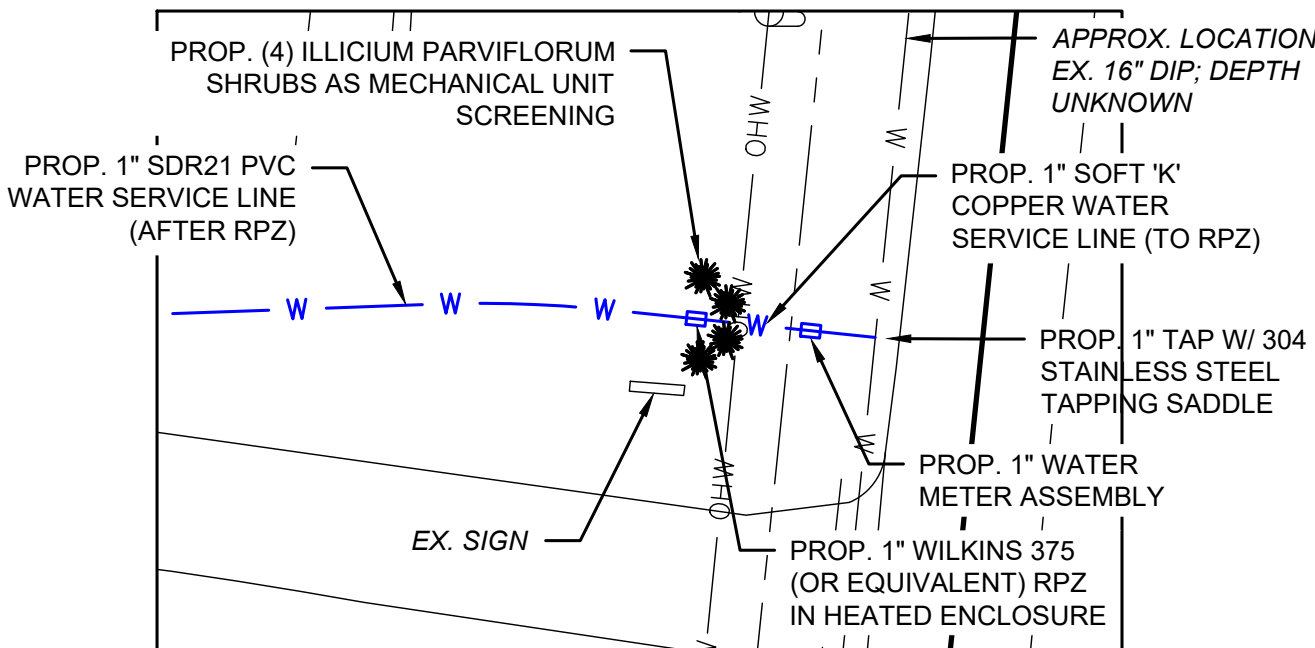
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FAILURE TO CALL FOR INSPECTION, INSTALL A DOWNSTREAM PLUG, HAVE PERMITTED PLANS ON THE JOBSITE, OR ANY OTHER VIOLATION OF CITY OF RALEIGH STANDARDS WILL RESULT IN A FINE AND POSSIBLE EXCLUSION FROM FUTURE WORK IN THE CITY OF RALEIGH.

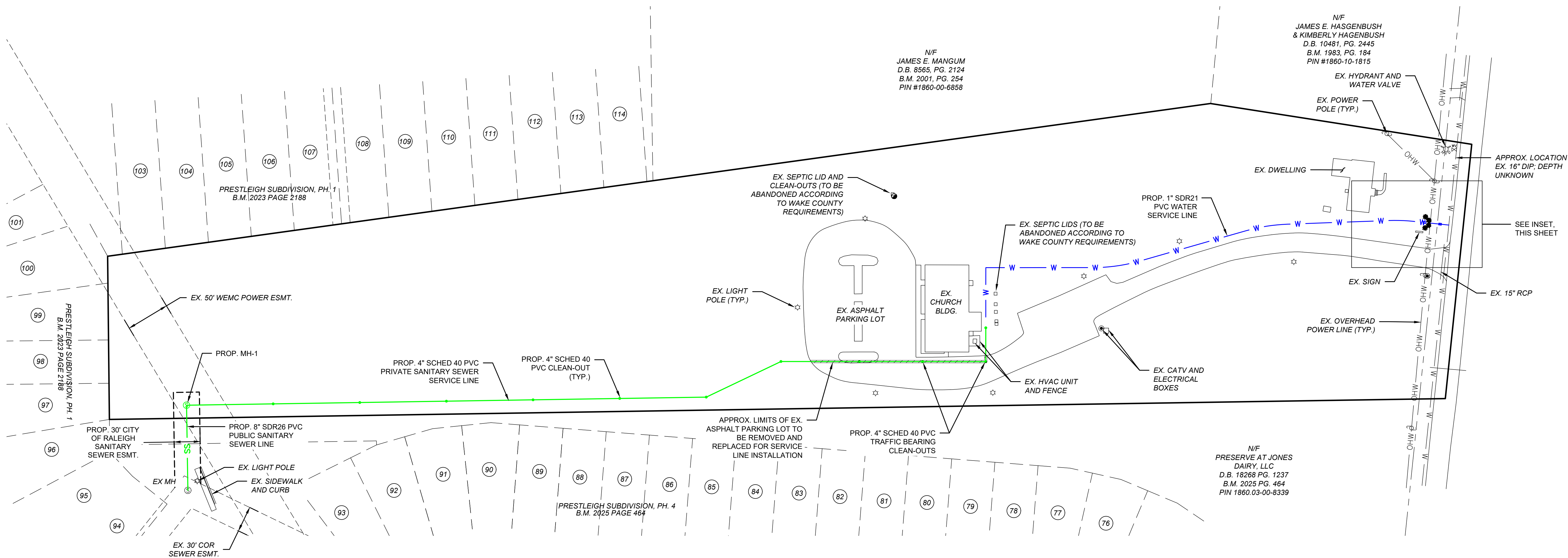
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AUTHORIZATION TO CONSTRUCT SEE DIGITAL SIGNATURE

—————	EX. PROPERTY LINE
— — — — —	EX. ADJACENT OWNERS
- - - - -	EX. EASEMENT
————— 400' —————	EX. MAJOR CONTOUR (5')
—————	EX. MINOR CONTOUR (1')
— OHW ——— OHW ———	EX. OVERHEAD ELECTRIC LINE
— W ——— W ———	EX. WATER LINE
— W ——— W ———	PROP. WATER LINE
— SS ——— SS ———	PROP. SANITARY SEWER



INSET
SCALE: 1" = 30'



North Carolina 811
www.nc811.org

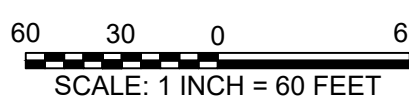
NORTH CAROLINA
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POST OFFICE BOX 91727
RALEIGH, NORTH CAROLINA 27675
PHONE: 919.610.1051
FIRM NC LICENSE NUMBER C-4222

[illegible]

ORIGINAL PLAN SIZE: 24" X 36'



SCALE ADJUSTMENT

THIS BAR IS 1 INCH IN LENGTH
ON ORIGINAL DRAWING

0 1"

IF IT IS NOT 1 INCH ON THIS
SHEET, ADJUST YOUR SCALE
ACCORDINGLY

CONSTRUCTION
INFRASTRUCTURE DRAWINGS
CID-26-0010

HOPE BAPTIST CHURCH
UTILITY CONNECTIONS
825 AVERETTE RD
WAKE FOREST, NC 27587

HOPE BAPTIST CHURCH

DATE:	08-20-2026
SCALE:	AS SHOWN
DESIGNED BY:	FLM
APPROVED BY:	FLM
PROJECT NO.:	25048

UTILITY PLAN

C-3

SHEET 3 OF 5

—————	EX. PROPERTY LINE
-----	EX. ADJACENT OWNERS
-----	EX. EASEMENT
-----400-----	EX. MAJOR CONTOUR (5')
-----	EX. MINOR CONTOUR (1')
-----	PROP. EASEMENT
— SS — SS —	PROP. SANITARY SEWER
— W — W —	PROP. WATER LINE
— SF — SF —	PROP. SILT FENCE
— —	PROP. SILT FENCE OUTLET

1. MINIMUM SEPARATION BETWEEN WATER AND STORM DRAINAGE IS 18 INCHES.
2. MINIMUM SEPARATION BETWEEN WATER AND SEWER IS 18 INCHES, WITH WATER BEING ABOVE THE SEWER.
3. MINIMUM SEPARATION BETWEEN SEWER AND STORM DRAINAGE IS 24 INCHES.
4. TOPOGRAPHIC SURVEY PROVIDED BY CMP PROFESSIONAL LAND SURVEYORS, PC.
5. THE UTILITIES SHOWN ARE NOT GUARANTEED TO BE A REPRESENTATION OF ALL UTILITIES WITHIN THE PROJECT EXTENT.
6. THE CONTRACTOR SHALL CALL THE NORTH CAROLINA ONE-CALL-CENTER AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
7. THE CONTRACTOR SHALL VERIFY DEPTHS AND LOCATIONS OF ALL UTILITIES PRIOR TO BEGINNING WORK AND SHALL USE CARE WHEN OPERATING AROUND EXISTING UTILITIES.
8. THE CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR THE REPAIR OF ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.

1. THE TOTAL DISTURBED AREA IS 0.27 ACRES. THUS, LAND DISTURBANCE APPROVAL IS NOT REQUIRED.
2. ALL LAND DISTURBING ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH WAKE COUNTY AND NCDQ STANDARDS.
3. SILT FENCE OUTLETS TO BE PLACED AS SHOWN AND AT LOW POINTS ALONG SILT FENCE AS NECESSARY.
4. DISTURBED AREAS TO BE STABILIZED AND GROUND COVER SHOULD BE ACHIEVED WITHIN 7 WORKING DAYS FOLLOWING COMPLETION OF DEVELOPMENT, PER THE NPDES CONSTRUCTION STORMWATER GENERAL PERMIT.

THE **CONSTRUCTION CONTRACTOR** RESPONSIBLE FOR THE EXTENSION OF WATER, SEWER, AND/OR REUSE, AS APPROVED IN THESE PLANS, IS RESPONSIBLE FOR **CONTACTING THE PUBLIC WORKS DEPARTMENT AT (919) 996-2409 AND THE PUBLIC UTILITIES DEPARTMENT AT (919) 996-4540 AT LEAST TWENTY FOUR HOURS** PRIOR TO BEGINNING ANY OF THEIR CONSTRUCTION.

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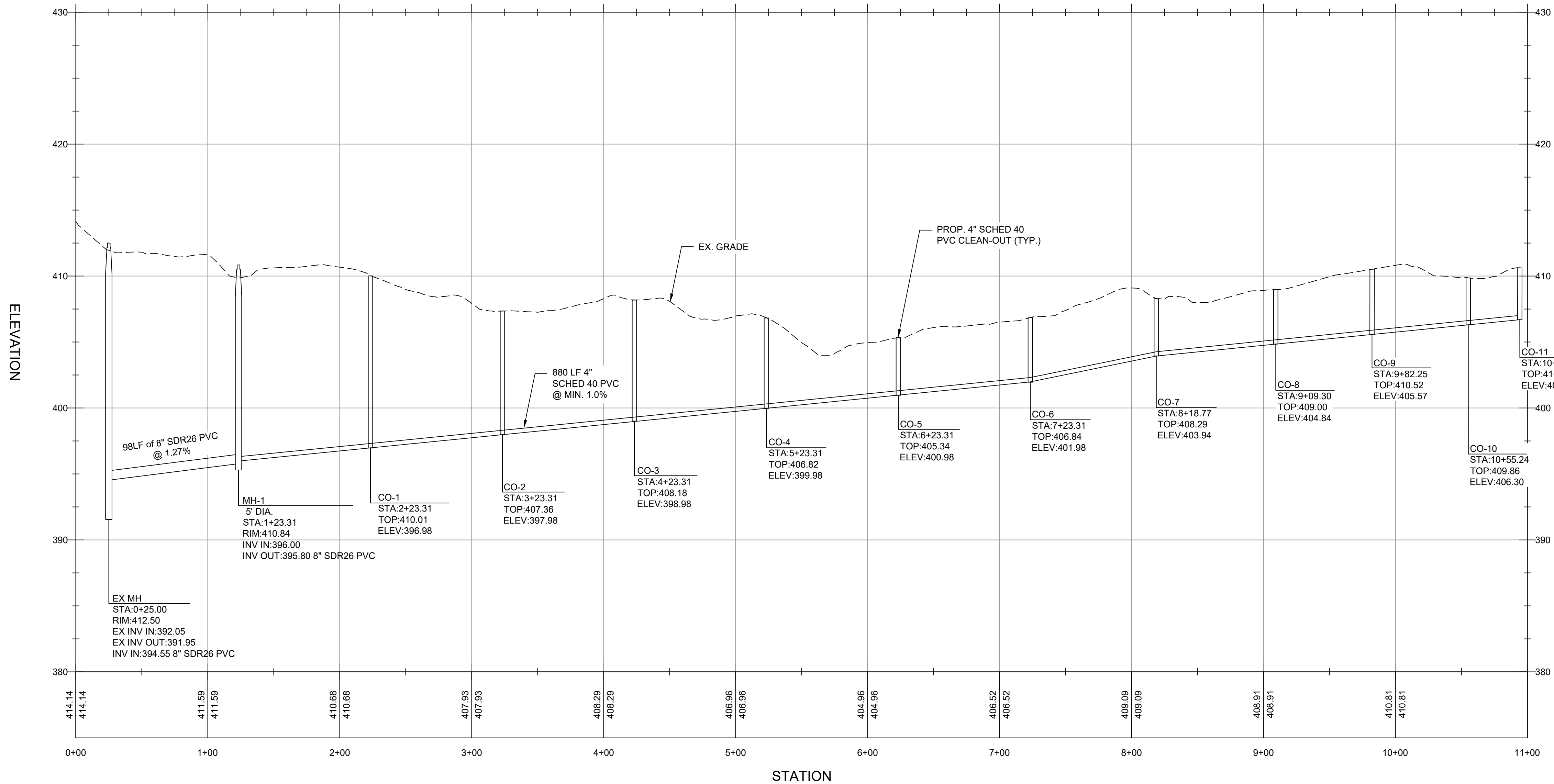
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CITY OF RALEIGH
PUBLIC UTILITIES DEPARTMENT PERMIT #

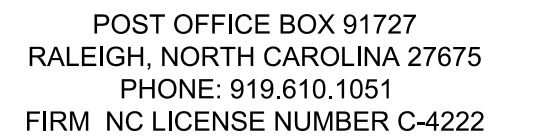
AUTHORIZATION TO CONSTRUCT SEE DIGITAL SIGNATURE

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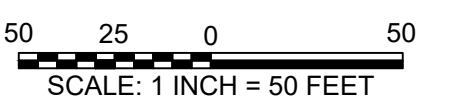


ALL CONSTRUCTION SHALL BE IN
ACCORDANCE WITH ALL TOWN OF
ROLESVILLE, CITY OF RALEIGH AND WAKE
COUNTY STANDARDS AND SPECIFICATIONS



REV #	DESCRIPTION	DATE	BY
1	TOR COMMENTS	9/28/2026	FLM

ORIGINAL PLAN SIZE: 24" X 36"



SCALE ADJUSTMENT

THIS BAR IS 1 INCH IN LENGTH
ON ORIGINAL DRAWING



IF IT IS NOT 1 INCH ON THIS
SHEET, ADJUST YOUR SCALE
ACCORDINGLY

CONSTRUCTION INFRASTRUCTURE DRAWINGS CID-26-0010	REVISIONS
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HOPE BAPTIST CHURCH
UTILITY CONNECTIONS
825 AVERETTE RD
WAKE FOREST, NC 27587

HOPE BAPTIST CHURCH

DATE:	08-20-2026
SCALE:	AS SHOWN
DESIGNED BY:	FLM
APPROVED BY:	FLM
PROJECT NO.:	25048

SEWER EXTENSION & SERVICE LINE PLAN & PROFILE

C-4

SHEET 4 OF 5

REVISION HISTORY			
REV #	DESCRIPTION	DATE	BY
1	TOR COMMENTS	9/28/2026	FLM

ORIGINAL PLAN SIZE: 24" X 36"

SCALE ADJUSTMENT

THIS BAR IS 1 INCH IN LENGTH
ON ORIGINAL DRAWING

IF IT IS NOT 1 INCH ON THIS
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CONSTRUCTION
INFRASTRUCTURE DRAWINGS
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WAKE FOREST, NC 27587

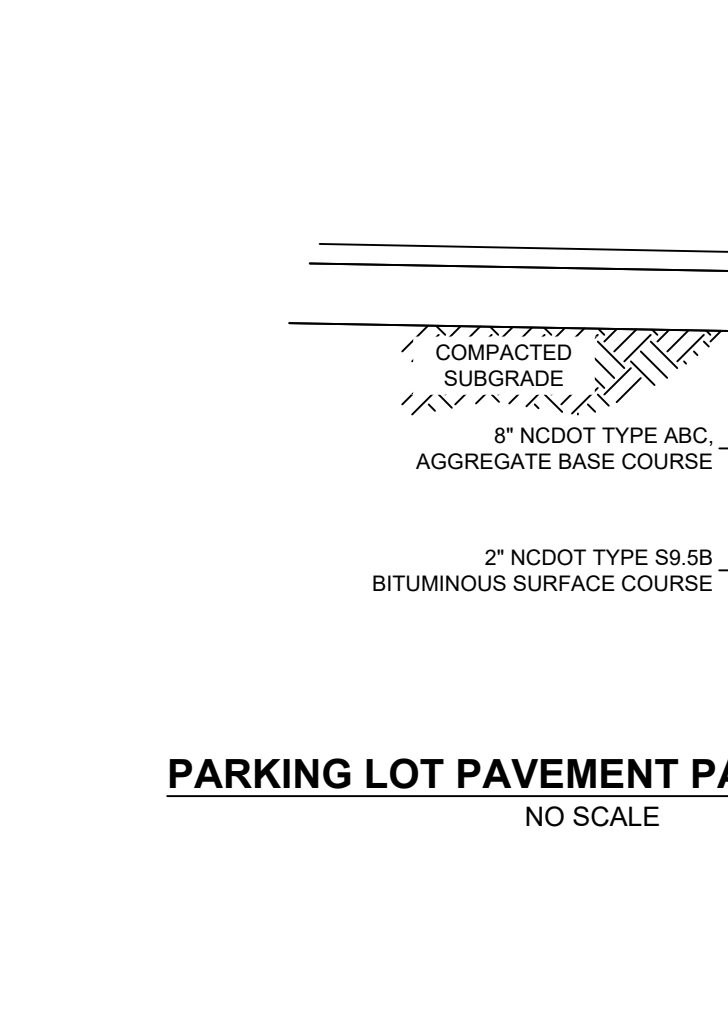
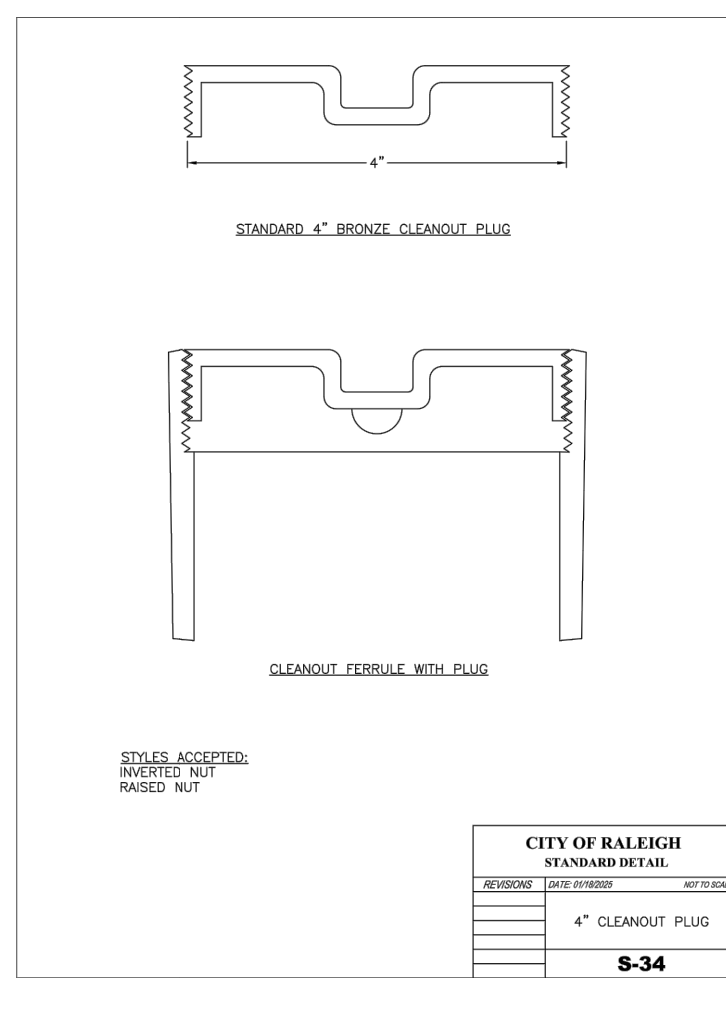
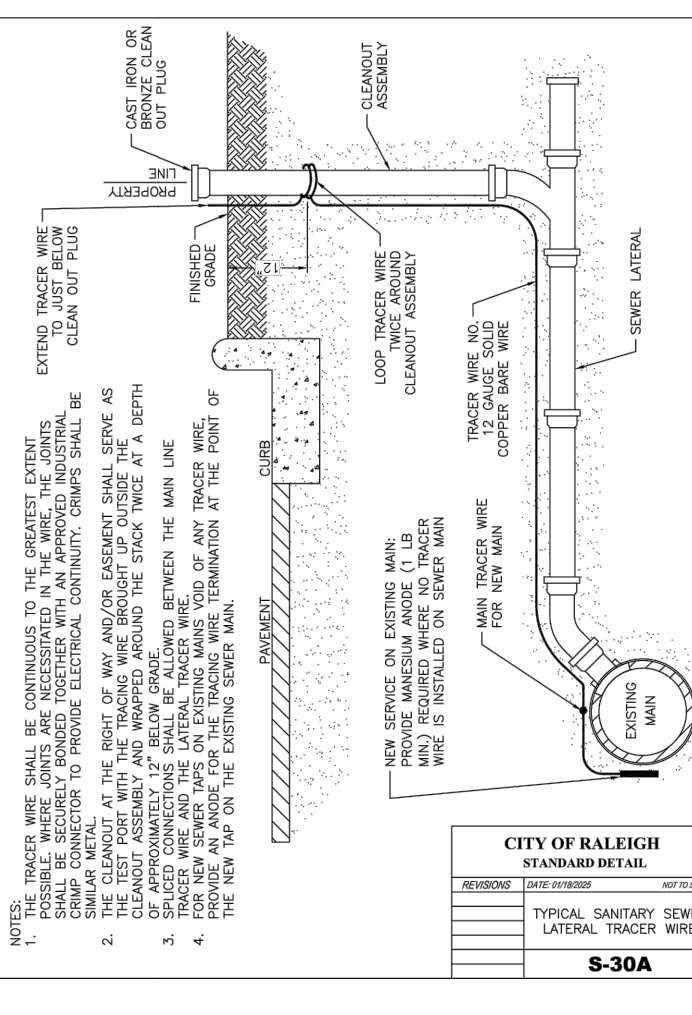
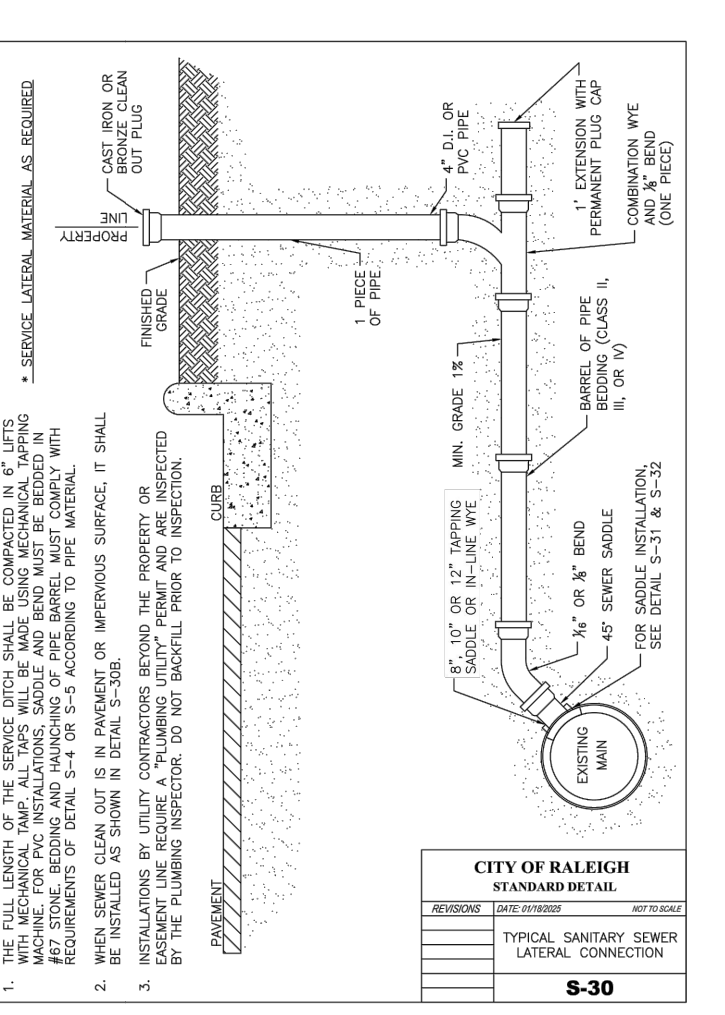
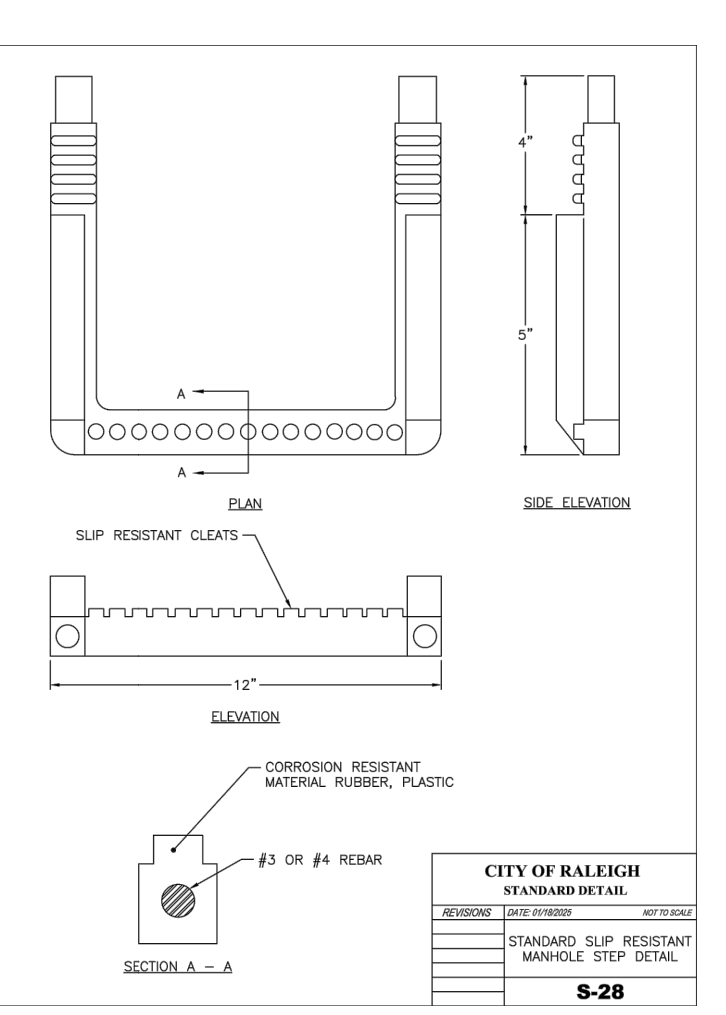
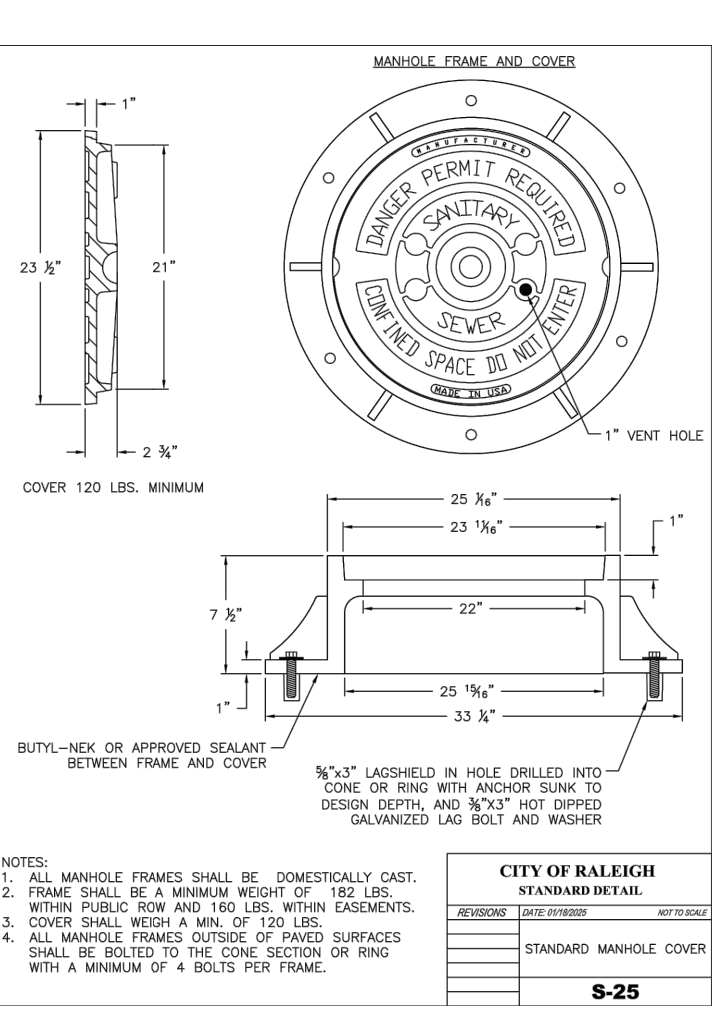
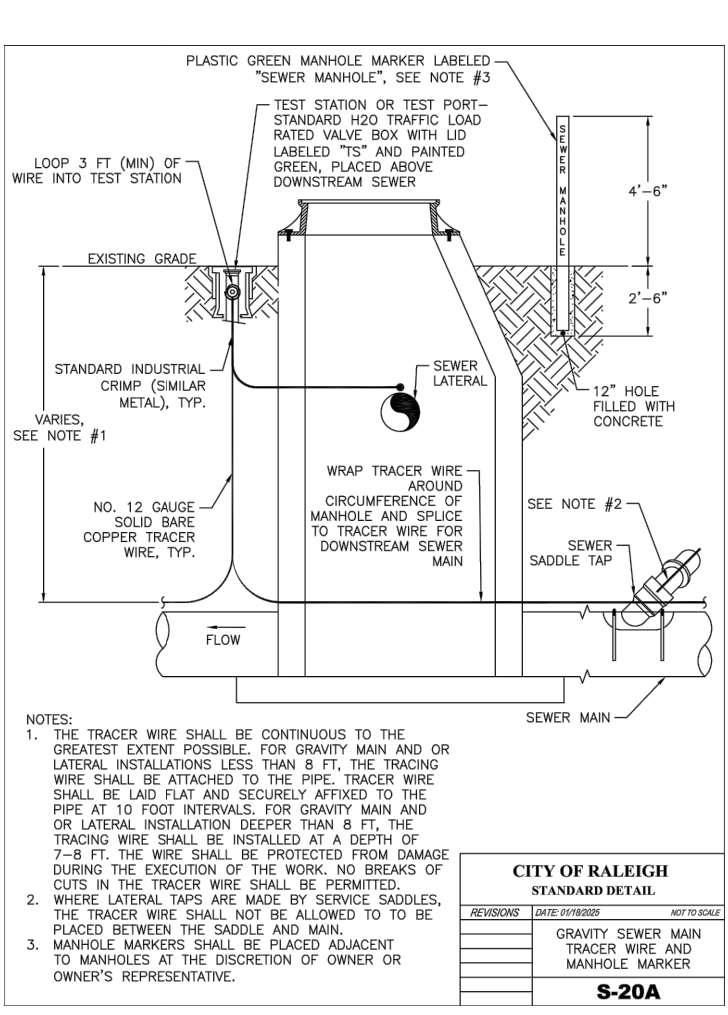
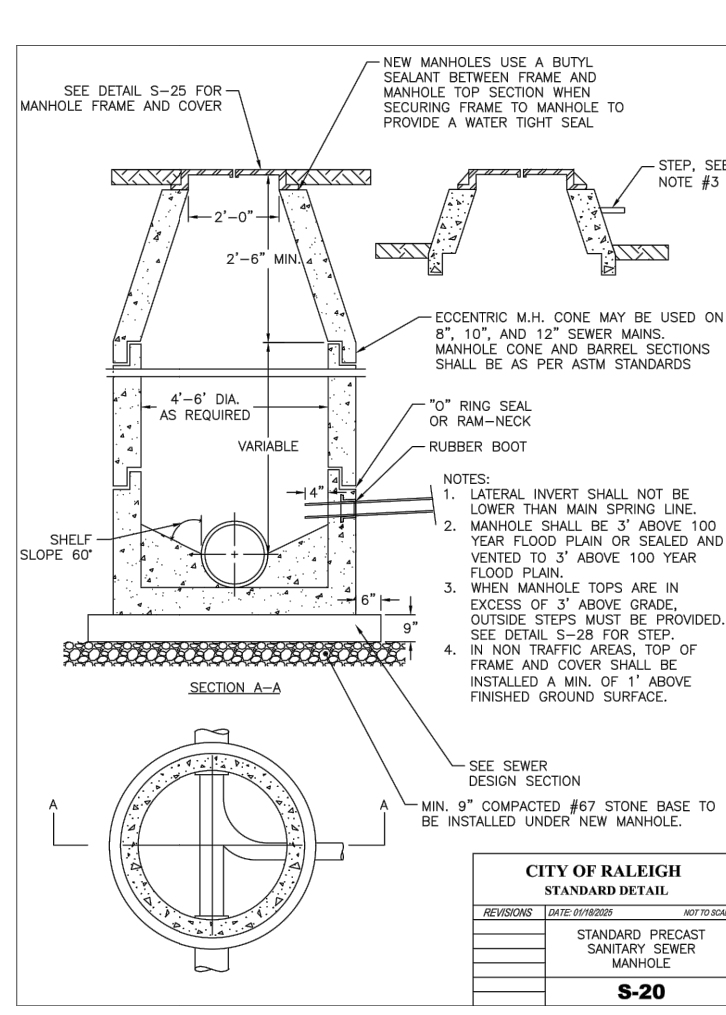
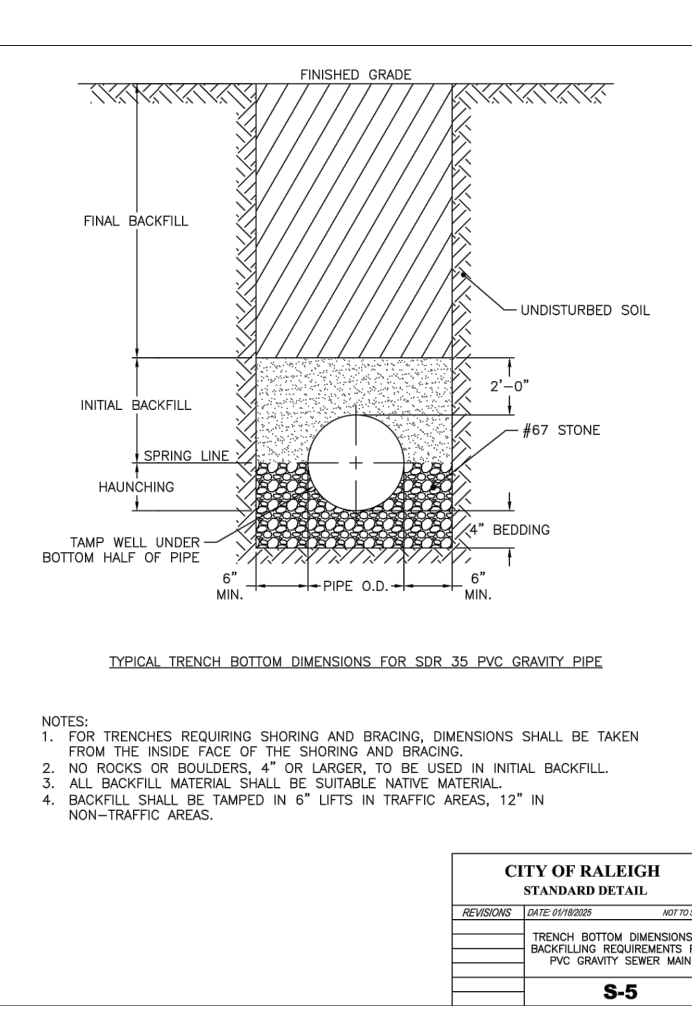
HOPE BAPTIST CHURCH

DATE:	08-20-2026
SCALE:	AS SHOWN
DESIGNED BY:	FLM
APPROVED BY:	FLM
PROJECT NO.:	25048

DETAILS

C-5
SHEET 5 OF 5

SHEET 5 OF 5



FOR SHOULDERS, SIDE DITCHES, SLOPES (MAX 3:1):		
DATE	TYPE	PLANTING RATE
AUG 15-NOV 1	TALL FESCUE	300 LBS/ACRE
NOV 1-MAR 1	TALL FESCUE & ABRUZZI RYE	300 LBS/ACRE
MAR 1-APR 15	TALL FESCUE	300 LBS/ACRE
APR 15-JUN 30	HULLED COMMON BERMUDAGRASS	25 LBS/ACRE
JUL 1-AUG 15	TALL FESCUE AND BROWNTOP MILLET OR SORGHUM-SUDAN HYBRIDS ***	125 LBS/ACRE (TALL FESCUE: 35 LBS/ACRE (BROWNTOP MILLET): 30 LBS/ACRE (SORGHUM-SUDAN HYBRIDS)

*** TEMPORARY: FESCUE ACCORDING TO OPTIMUM SEED RATE FOR DESIRED PERMANENT FORAGE. DO NOT ALLOW TEMPORARY COVER TO GROW MORE THAN 12 IN HEIGHT BEFORE MOWING. OTHERWISE, FESCUE MAY BE SHEDDAN OUT.

FOR SHOULDERS, SIDE DITCHES, SLOPES (3:1 TO 2:1):		
DATE	TYPE	PLANTING RATE
MAR 1 - JUN 1	SERICEA LESCHNAUSII (SCARIFIED AND USE THE FOLLOWING COMBINATIONS:	50 LBS/ACRE
MAR 1 - APR 15	ADD TALL FESCUE	120 LBS/ACRE
MAR 1 - JUN 30	OR ADD WEEPING LOVE GRASS	100 LBS/ACRE
MAR 1 - JUN 30	OR ADD HILLED COMMON BERMUDAGRASS	25 LBS/ACRE
JUN 1 - SEPT 1	TALL FESCUE AND BROWNTOP MILLET OR SORGHUM-SUDAN HYBRIDS ***	120 LBS/ACRE (TALL FESCUE); 35 LBS/ACRE (BROWNTOP MILLET); 30 LBS/ACRE (SORGHUM-SUDAN HYBRIDS)
SEPT 1 - NOV 1	SERICEA LESCHNAUSII (UNHILLED - UNSCARIFIED) AND TALL FESCUE	70 LBS/ACRE (SERICEA LESCHNAUSII); 120 LBS/ACRE (TALL FESCUE)
NOV 1 - MAY 1	AND ARIZONI RYE	25 LBS/ACRE

*** TEMPORARY: RESSCED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW MORE THAN 12" IN HEIGHT BEFORE MOWING; OTHERWISE, FESCUE MAY BE SHADED OUT.

MIXTURE	
AGRICULTURAL LIMESTONE	2 TONS/ACRE (3 TONS/ACRE IN CLAY SOILS)
FERTILIZER	1,000 LBS/ACRE - 10-10-10
SUPERPHOSPHATE	500 LBS/ACRE - 20% ANALYSIS
MULCH	2 TONS/ACRE - SMALL GRAIN STRAW
ANCHOR	ASPHALT EMULSION AT 300 GAL/ACRE

1. SEEDBED PREPARATION.
2. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL THREE INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
3. RIP THE ENTIRE AREA TO SIX INCHES DEEP.
4. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
5. APPLY AGRICULTURAL LIMES, FERTILIZER AN SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL. ("SEE BELOW").
6. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM REASONABLY UNIFORM SEEDBED IS PREPARED FOUR TO SIX INCHES DEEP.
7. SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
8. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
9. INSPECT ALL SEEDBED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGED, RE-ESTABLISH FOLLOWINGS THE ORIGINAL LIME, FERTILIZER AND SEEDING RATES.

*APPLY: AGRICULTURAL LIMESTONE- 2 TONS/ACRE MINIMUM OR PER SOIL TEST

FERTILIZER - 10-10-10 ANALYSIS @ 900 LBS/ACRE
SUPERPHOSPHATE - 500 LBS/ACRE OF 20% ANALYSIS
MULCH - 2 TONS (+/- 80 BALES) STRAW/ACRE
ANCHOR - USE LIQUID ASPHALT @ 400 GALS/ACRE
OR EMULSIFIED ASPHALT @ 300 GALS/ACRE

PERMANENT SEEDING SCHEDULE

NO SCALE

FOR LATE WINTER AND EARLY SPRING:

SEEDING MIXTURE:
RYE (GRAMIN) - 120 LB/ACRE
ANNUAL LESPEDEZA (KOBIE IN PIEDMONT AND COASTAL PLAIN, KOREAN N MOUNTAINS) - 50 LB/ACRE
"OMIT ANNUAL LESPEDEZA WHEN EXTENSION OF TEMPORARY COVER IS NOT DURED BEYOND JUNE

SEEDING DATES:
MOUNTAINS: ABOVE 2500 FEET: FEB - MAY 15
BELOW 2500 FEET: FEB - MAY 1
PIEDMANT: JAN - MAY 1
COASTAL PLAIN, DEC. 1 - APR. 15

FOR SUMMER:

SEEDING MIXTURE:
GRASS MIXTURE* 40 LB/ACRE
(IN THE PIEDMONT AND MOUNTAINS, A SMALL-STEMMED SUBGRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE

SEEDING DATES:
MOUNTAINS: MAY - AUG - AUG 15
PIEDMANT: MAY - AUG 15
COASTAL PLAIN: APR - AUG 15

FOR FALL:

SEEDING MIXTURE:
RYE (GRAMIN) - 120 LB/ACRE

SEEDING DATES:
MOUNTAINS: AUG - DEC 15
COASTAL PLAIN AND PIEDMONT: AUG 15 - DEC 30

SOIL AMENDMENTS:

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2500 LB/ACRE 10-10-10 FERTILIZER

MULCH:
APPLY 4,000 LB/ACRE STRAW - ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE:
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

SOIL AMENDMENTS:

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2500 LB/ACRE 10-10-10 FERTILIZER

MULCH:
APPLY 4,000 LB/ACRE STRAW - ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

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MAINTENANCE:
REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE KOBIE (PIEDMONT AND COASTAL PLAIN) OR SMALL-STEMMED MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

SEEDBED PREPARATION:

LIMING - APPLY LIME ACCORDING TO SOIL TEST RECOMMENDATIONS. IF THE PH (ACIDITY) OF THE SOIL IS NOT KNOWN, AN APPLICATION OF GROUND AGRICULTURAL LIMESTONE AT THE 6:10R RATE OF 1 TO 1:12 TONS/ACRE ON COARSE-TEXTURED SOILS AND 2-3 TONS/ACRE ON FINE-TEXTURED SOILS IS USUALLY SUFFICIENT. APPLY LIMESTONE UNIFORMLY AND INCORPORATE INTO THE TOP 4-6 INCHES OF SOIL. SOILS WITH A PH OF 6 OR HIGHER NEED NOT BE LIMED.

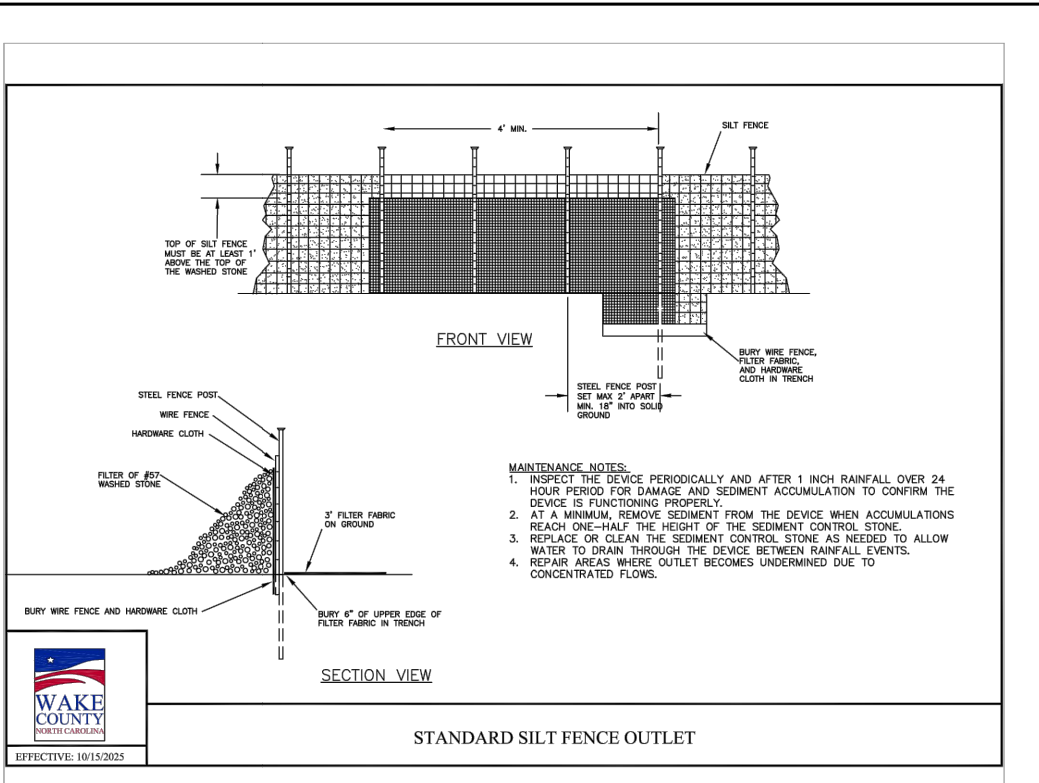
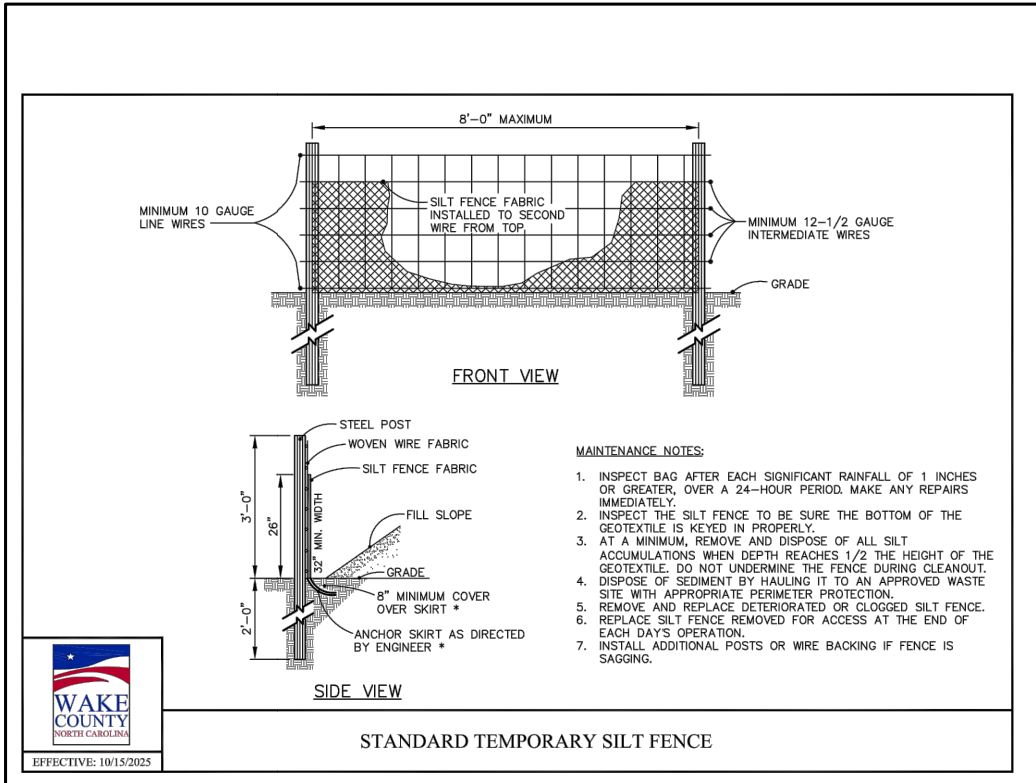
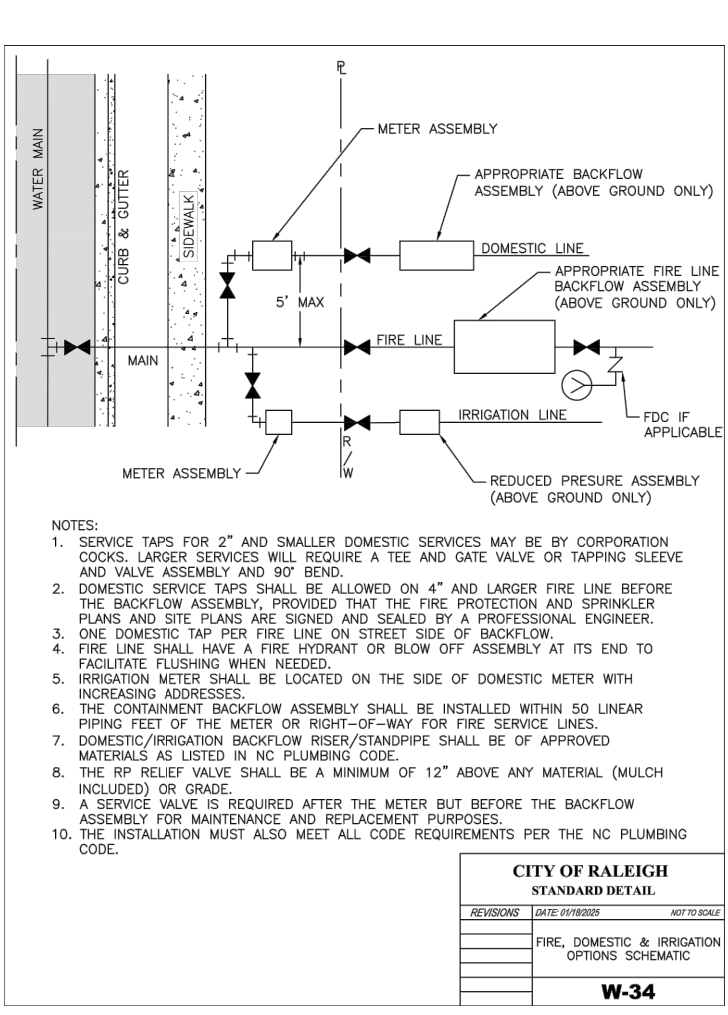
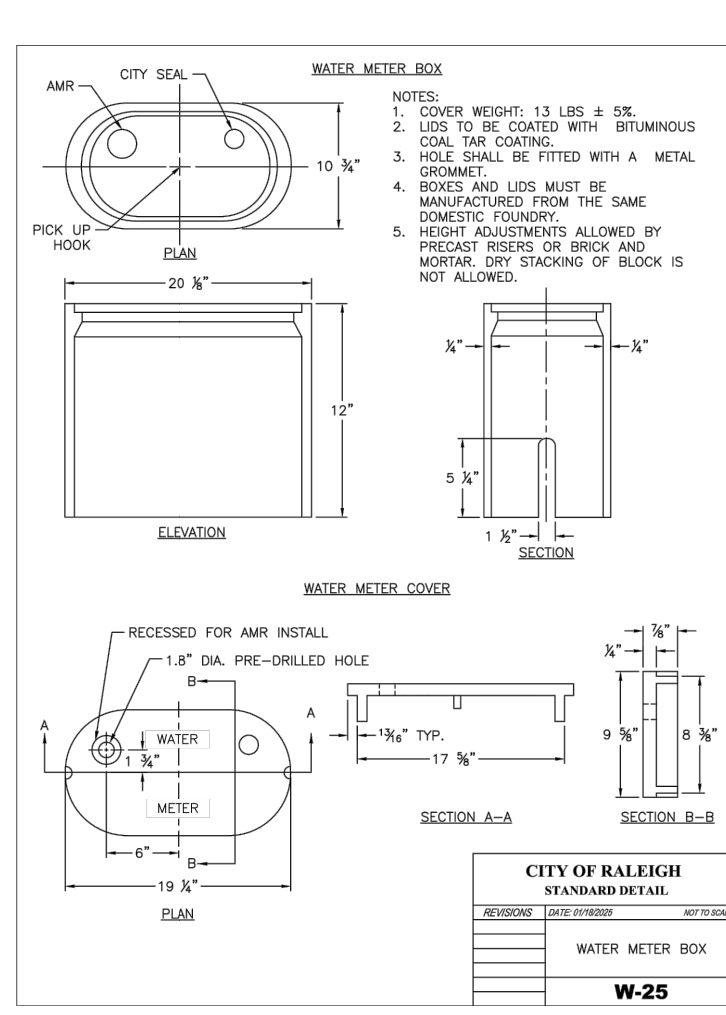
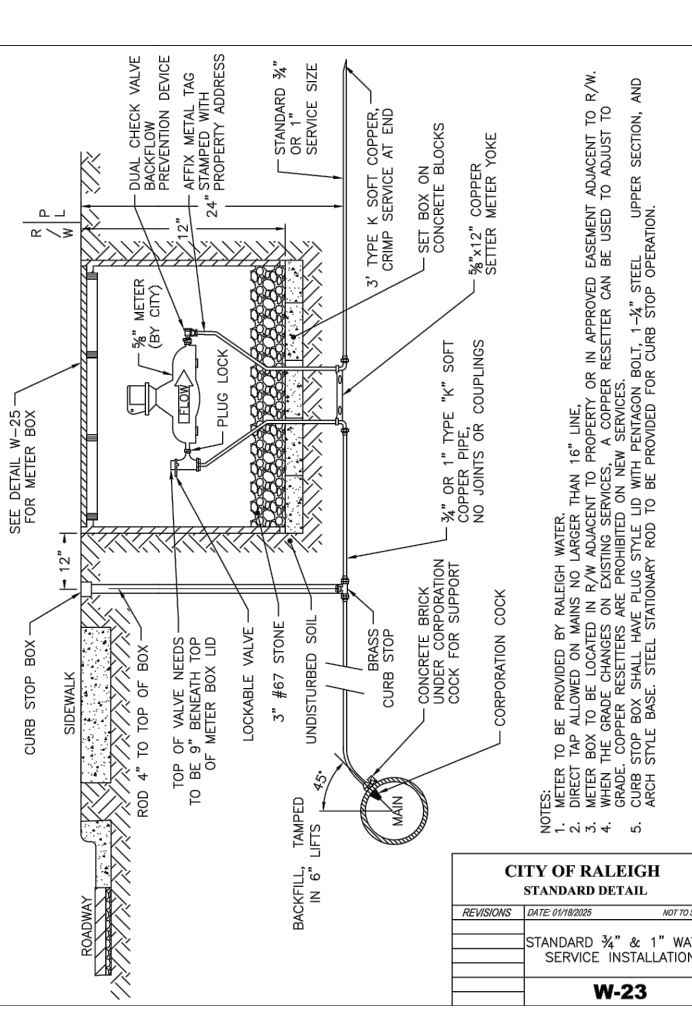
FERTILIZER—BASE APPLICATION RATES FOR SOIL TESTS: WHEN THESE RATES ARE NOT POSSIBLE, APPLY A 10-10-10 GRADE FERTILIZER AT 700-1,000 LB/ACR. BOTH FERTILIZER AND LIME SHOULD BE INCORPORATED INTO THE TOP 4-6 INCHES OF SOIL. IF A HYDRAULIC SEEDER IS USED, DO NOT MIX SEED AND FERTILIZER MORE THAN 30 MINUTES BEFORE APPLICATION.

SURFACE ROUGHENING - IF RECENT TILLAGE OPERATIONS HAVE RESULTED IN A LOOSE SURFACE, ADDITIONAL ROUGHENING MAY NOT BE REQUIRED, EXCEPT TO BREAK UP LARGE CLODS. IF RAINFALL CAUSES THE SURFACE TO BECOME SEALED OR CRUSTED, LOOSEN IT JUST PRIOR TO SEEDING BY DISKING, OR OTHER APPROPRIATELY SUITABLE METHODS. GROOVE OR FURROW SLOPES STEEPER THAN 5:1, OR THE CONTOUR BEFORE SEEDING (PRACTICE 6.03, SURFACE ROUGHENING).

TEMPORARY SEEDING SCHEDULE
NO SCALE

TEMPORARY SEEDING SCHEDULE
NO SCALE

NO SCALE



**ALL CONSTRUCTION SHALL BE IN
ACCORDANCE WITH ALL TOWN OF
ROLESVILLE, CITY OF RALEIGH AND WAKE
COUNTY STANDARDS AND SPECIFICATIONS**